

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 14858-0006	SERIAL NO. 10/815,588
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Patrick W. McManus et al.	
		FILING DATE April 1, 2004	GROUP 3612

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
170	AA	2,097,911	11/1937	Becker	/	/	
	AB	2,172,405	09/1939	Powell	/	/	
	AC	2,284,419	05/1942	Greig	/	/	
	AD	3,181,911	05/1965	Péras	/	/	
	AE	3,336,071	08/1967	Neale et al.	/	/	
	AF	3,964,785	06/1976	Plume	/	/	
	AG	4,057,284	11/1977	Blank	/	/	
	AH	4,081,051	03/1978	Logsdon	/	/	
	AI	4,132,444	01/1979	Beggs	/	/	
	AJ	4,198,091	04/1980	Appleton	/	/	
171	AK	4,220,369	09/1980	Whitley et al.	/	/	

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AR		
	AS		
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EXAMINER S Gordon	DATE CONSIDERED 12-30-05
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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12/5	BA	4,223,939	09/1980	Beggs	/	/	
/	BB	4,261,613	04/1981	Alford	/	/	
	BC	4,261,614	04/1981	Rice	/	/	
	BD	4,392,682	07/1983	Norkus, Jr.	/	/	
	BE	4,659,136	04/1987	Martin et al.	/	/	
	BF	4,756,325	07/1988	Daniels	/	/	
	BG	4,795,206	01/1989	Adams	/	/	
	BH	4,840,427	06/1989	Hong	/	/	
	BI	4,909,558	03/1990	Roshinsky	/	/	
/	BJ	4,944,550	07/1990	Drown et al.	/	/	
	BK	4,950,123	08/1990	Brockhaus	/	/	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BL						
	BM						
	BN						
	BO						
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	BQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	BR						
	BS						
	BT						
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172	CA	4,993,088	02/1991	Chudik	—	—		
	CB	5,016,858	05/1991	Mitchell	—	—		
	CC	5,064,335	11/1991	Bergeron et al.	—	—		
	CD	5,076,640	12/1991	Bulte	—	—		
	CE	5,083,830	01/1992	Mucher et al.	—	—		
	CF	5,098,146	03/1992	Albrecht et al.	—	—		
	CG	5,154,469	10/1992	Morrow	—	—		
	CH	5,273,336	12/1993	Schubring et al.	—	—		
	CI	5,366,266	11/1994	Harbison	—	—		
	CJ	5,454,684	10/1995	Berens	—	—		
	CK	5,456,511	10/1995	Webber	—	—		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CL							
	CM							
	CN							
	CO							
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
	CR							
	CS							
	CT							
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120	DA	5,464,264	11/1995	Wilson	—	—		
	DB	5,489,134	02/1996	Furuki et al.	—	—		
	DC	5,513,941	05/1996	Kulas et al.	—	—		
	DD	5,516,182	05/1996	Aragon et al.	—	—		
	DE	5,524,953	06/1996	Shaer	—	—		
	DF	5,531,497	07/1996	Cheng	—	—		
	DG	5,554,998	09/1996	Sherwood et al.	—	—		
	DH	5,564,767	10/1996	Strepek	—	—		
	DI	5,628,543	05/1997	Filipovich et al.	—	—		
	DJ	5,649,731	07/1997	Tognetti	—	—		
125	DK	5,669,654	09/1997	Eilers et al.	—	—		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	DL							
	DM							
	DN							
	DO							
	DP							
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
	DR							
	DS							
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
AM	EA	5,692,792	12/1997	Klar (minor)	—	—	
	EB	5,700,047	12/1997	Leitner et al.	—	—	
	EC	5,735,565	04/1998	Papai et al.	—	—	
	ED	5,816,637	10/1998	Adams et al.	—	—	
	EE	5,820,190	10/1998	Benner	—	—	
	EF	5,845,957	12/1998	Hurst	—	—	
	EG	5,924,753	07/1999	DiBassie	—	—	
	EH	5,938,262	08/1999	Mills	—	—	
	EI	5,944,371	08/1999	Steiner et al.	—	—	
	EJ	5,951,233	09/1999	Boucher et al.	—	—	
AM	EK	5,967,584	10/1999	McCarthy et al.	—	—	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	EL						
	EM						
	EN						
	EO						
	EP						
	EQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	ER						
	ES						
	ET						
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AJS	FA	6,007,137	12/1999	Lambden	/	/		
	FB	6,012,776	01/2000	Schneider et al.	/	/		
	FC	6,017,082	01/2000	Leoni	/	/		
	FD	6,030,018	02/2000	Clare et al.	/	/		
	FE	6,033,002	03/2000	Clare et al.	/	/		
	FF	6,059,339	05/2000	Madson	/	/		
	FG	6,065,792	05/2000	Sciullo et al.	/	/		
	FH	6,065,798	05/2000	Sankrithi	/	/		
	FI	6,092,335	07/2000	Queveau et al.	/	/		
	FJ	6,126,220	10/2000	Brasher	/	/		
AJS	FK	6,161,892	12/2000	Chabanne et al.	/	/		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	FL							
	FM							
	FN							
	FO							
	FP							
	FQ							
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
	FR							
	FS							
	FT							
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AP	GA	6,199,945	03/2001	Kim	—	—		
	GB	6,213,531	04/2001	Corey et al.	—	—		
	GC	6,237,981	05/2001	Selleck	—	—		
	GD	6,244,651	06/2001	Hecock, Jr.	—	—		
	GE	6,254,171	07/2001	Young, Sr.	—	—		
	GF	6,332,627	12/2001	Damron	—	—		
	GG	6,332,637	12/2001	Chambers	—	—		
	GH	6,334,562	01/2002	Ament et al.	—	—		
	GI	6,340,189	01/2002	Pordy	—	—		
	GJ	6,340,198	01/2002	Benites et al.	—	—		
AP	GK	6,340,208	01/2002	Habedank	—	—		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	GL							
	GM							
	GN							
	GO							
	GP							
	GQ							
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
	GR							
	GS							
	GT							
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AM	HA	2002/0105201	08/2002	Melotik et al.	—	—	
	HB	6,431,634	08/2002	Ananian	—	—	
	HC	6,450,566	09/2002	Hong	—	—	
	HD	6,464,274	10/2002	Mink et al.	—	—	
	HE	6,471,282	10/2002	Hanning	—	—	
	HF	6,481,772	11/2002	Tenn	—	—	
	HG	6,488,333	12/2002	Kim	—	—	
	HH	6,491,331	12/2002	Fox	—	—	
	HI	6,494,531	12/2002	Kim	—	—	
	HJ	6,503,036	01/2003	Bequette et al.	—	—	
AM	HK	6,517,137	02/2003	Kiester et al.	—	—	

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	HL						
	HM						
	HN						
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	HP						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)			
	HR		
	HS		
	HT		

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171	IA	2003/0047974	03/2003	Tame	—	—	
	IB	2003/0057725	03/2003	Hernandez et al.	—	—	
	IC	6,601,899	08/2003	Kiester et al.	—	—	
	ID	6,609,744	08/2003	Gehring et al.	—	—	
	IE	6,644,719	11/2003	Young, Sr.	—	—	
171	IF	6,742,822	06/2004	Vejnar	—	—	
	IG						
	IH						
	II						
	IJ						
	IK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
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	IN						
	IO						
	IP						
	IQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
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	IT						
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